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SAFETY DATA SHEET - LINQBOND™ LE-4832

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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : LE-4832
SUPPLIER NAME : Caplinq Europe BV

Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation: Epoxy resin adhesive

Uses advised against: No further relevant information available

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CHEMICAL NAME : LINQBOND™ LE-4832 | Epoxy resin liquid encapsulation for printed circuit boards

SECTION 2. HAZARDS IDENTIFICATION

PROPOSED CLASSIFICATION

Irritant

HAZARD IDENTIFICATION

Hazard Symbols:



Signal Word: Warning.

Hazard statement

P302 Harmful if swallowed

P315/320 Irritate to eyes and skin

Precautionary statement

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P338 Removes contact lenses if present and easy to do. Continue rinsing.

P351 Rinse cautiously with water for several minutes.

P352 Wash with plenty of soap and water.

Potential Health Effects

Eye Contact: May cause mild eye irritation.

Ingestion: May be hazardous to the digestive system, cause vomiting and loss of appetite.



Inhalation: May cause respiratory tract irritation.

Skin Contact: May cause mild skin inflammation.

Toxicity: LD₅₀(oral) >5000 mg/kg.

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	Proportion (%)
1	Epoxy Resin	25068-38-6	30–70
2	Latent curing agent	461-58-5	1–10
3	Colorant	1333-86-4	0.1–5
4	Silica filler	7631-86-9	20–50
5	Epoxy diluent	68609-97-2	0.1–2

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

- Immediately flush with plenty of water for at least 15 min.

SKIN CONTACT:

- Immediately flush with plenty of water for at least 15 min.

INHALATION:

- Move victim to fresh air.
- Administer oxygen if breathing is difficult.
- Get medical attention.

INGESTION:

- Do not administer anything orally if the patient is on the verge of losing consciousness, already unconscious, or experiencing convulsions.
- Do not induce vomiting.
- Get medical attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Clean agent fire extinguisher, dry powder, carbon dioxide, or foam.

SECTION 6. ACCIDENTAL RELEASE MEASURES

LEAK/SPILL

- In case of a leakage, use sand, earth, or inert materials to contain and control it
- Report as per regulatory requirements.

SECTION 7. HANDLING AND STORAGE

HANDLING

- Ensure the availability of suitable protective and ventilation equipment.
- Minimize skin and eye exposure, and prevent inhalation of vapors. Do not stay in contact for an extended period.

STORAGE

- Store in a cool (air-condition room temperature) & dry place away from excessive heat, sunlight, and humidity. Ensure that the storage and usage area is strictly designated as a non-smoking zone.



SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:

No.	Components	Standards*	Reference
1	Epoxy resin	N.E.	OSHA, ACGIH
2	Latent curing agent	N.E.	OSHA, ACGIH
3	Colorant	3.5 mg/m ³	OSHA, ACGIH
4	Silica filler (Cristobalite fraction)	50 µg/m ³	OSHA, ACGIH
5	Epoxy diluent	N.E.	OSHA, ACGIH

NOTE:

*: eight-hour time-weighted average exposure unless stated otherwise

N.E. – Not Established

OSHA – Occupational Safety and Health Act

ACGIH – American Conference of Government Industrial Hygienist

DOSH – Department of Occupational Safety and Health, Malaysia

VENTILATION:

Use general or local exhaust ventilation to meet exposure limit requirements.

PERSONAL PROTECTION:

- **Respiratory Protection:** Organic vapor canister or canister respiratory protector should be used when necessary.
- **Eye/Skin Protection:** Chemical safety splash goggles, eyewash equipment, and gloves (general rubber or lined) are recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black viscous liquid

ODOR: Not Applicable

PH: Not Applicable

INITIAL BOILING POINT/BOILING RANGES: Not applicable

FLASH POINT: >140°C

SPECIFIC GRAVITY: 1.5–1.6

VAPOUR PRESSURE (mm of Hg at 25°C): Not applicable

SOLUBILITY: Not soluble in water

VAPOUR DENSITY (Air = 1): Not applicable

EVAPORATION RATE (Butyl acetate = 1): Not applicable

SECTION 10. STABILITY & REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID: Not applicable.

DECOMPOSITIONS PRODUCTS: None.

HAZARDOUS POLYMERIZATION: No hazard at room temperature.

SECTION 11. TOXICOLOGICAL INFORMATION



TOXICITY DATA:

Estimated oral exposure limit LD₅₀(oral) >5000 mg/kg.

CARCINOGENICITY:

No information found

REPRODUCTIVE EFFECT:

No information found

CHRONIC EFFECTS:

No information found

TARGET ORGANS:

No information found

SECTION 12. ECOLOGICAL INFORMATION

MOBILITY: No information found

BIOACCUMULATION: No information found

BIODEGRADABILITY: No information found

AQUATIC TOXICITY: No information found

ENVIRONMENTAL TOXICITY: No information found

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of waste needs to be carried out at the city, state, or federally permitted disposal facility. Handle in accordance with applicable regulations and/or local authorities.

SECTION 14. TRANSPORT INFORMATION

Land transport ADR/RID (Cross-border)

ADR, RID Class: No information available

Maritime transport IMDG

IMDG Class: No information available

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: No information available

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized safety officer. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15. REGULATORY INFORMATION

No information available

SECTION 16. OTHER INFORMATION

The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date. Neither CAPLINQ Corporation, nor CAPLINQ Europe BV accept any



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